



Interfaces between GPM and European Precipitation Science



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Objectives:

1. Coordination between GPM and Europe
 2. Coordination (funding) of GPM-related activities in Europe
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- I. Existing European/international projects
 - II. Future European/international projects
 - III. Ground validation
 - IV. Agencies



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I. Existing European/international projects:

AMMA (EC FP-7 application oriented)

THORPEX (not precipitation focused, precipitation observations need promotion)

INTERACT

BALTEX (Baltic sea, funded through national agencies until 2012)

MEDEX (Mediterranean, modelling oriented, severe weather)

II. Future European/international projects:

EC FP-7 (RAINCLOUDS)

Much stronger European involvement in next PMM NRA

(only 2 European proposals; next call requires much wider distribution; national/European funding may crucially depend on GPM science team)

National programmes/projects

(ASI, It. Civil protection agency, PATOM, PNTS, DFG, etc.)



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III. Ground validation:

Identification of observation networks suitable for GPM regional-scale/long-term

Identification of observation networks suitable for GPM hydrology
(ALPEX, MAP (-2), etc.)

Identification of future IOP-sites

(Chilbolton, Cabauw, O' hofen, Catalunya, etc.

GPM-endorsement for increase/maintenance of national/European funding)



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IV. Agencies:

European Commission:

Implementation of precipitation observation/modelling project in FP-7
New European Research Council under FP-7 with targeted research calls
(2008+)

ESA: Clarification of EGPM status (see IPWG request to CGMS)
Strongest possible support for future AOs (Earth Explorer) (→ CSA)

Eumetsat:

Support of post-EPS mission definition (interaction with GMI, NPOESS-MIS)
Hydrology-SAF (potentially other SAFs)
MSG (SEVIRI, 15' , 2.5 km @ mid-latitudes; ex. cloud-aerosol interactions
AMMA)

CNES/ISRO:

Near real-time access to Megha-Tropiques data
2nd receiving station in South America
International science team (Europe, US+)



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Immediate action:

Issue white paper on European background & coordination with regard to global precipitation observation

Will cover

scientific
data

instrument

funding issues in present situation and future

Targeted at:

European Commission (EC)

European Space Agency (ESA)

European Organisation for the Exploitation of Meteorological Satellites
(Eumetsat)

GPM community